DEDICATION

Kennecott shows off new smelter, refinery

nean up operations. opper giant paid a pretty nny to modernize and

By Max B. Knudson Deseret News business editor

executive officer of Kennecott's parent company, RTZ Corp., got a look at what \$880 million will buy guests, including Gov. Mike Kennecott Corp. threw a party Thursday, and some 300 invited Leavitt and Robert Wilson, chief

Oquirrh mountains west of Magna copper giant's new smelter and reinery in the foothills of the ent copper producer in the min-ng industry." imock, president of Kennecott tah Copper, termed "the most odern and environmentally effi a complex that Robert R. That was the price tag for the

Thursday's festivities began with a breakfast and briefing at Little America, followed by a bus ride for guests to tour the new facilities and then a lunch buffet back at the

squares of pure copper can be and it's safe to say most came away quantities of dirt into 3-foot Reporters got a sneak preview of the new plant on Wednesday, make fixing dinner. ione with less mess than most of us mpressed that converting huge

"new" Kennecott, cleanliness really is next to godliness. The new That's the idea, of course. At the

> smelter is designed to capture 99.9 the smelting process, and early tests indicate that target is being percent of the sulfur generated in met, officials said.

steam to co-generate some 85 percent of its electrical power. It also captures waste heat as

in 1992 that included upgrading and expanding the refinery, which out the plant with only their comrobotic systems moving throughis now highly automated with puter brains to tell them what to modernization project announced was the culmination of a massive Thursday's dedication ceremony

at full capacity, it will be able to nology. But once the new facility is George, director of smelting techprocess all of its concentrate at the had to export 40 percent of its copper concentrate, said David Formerly, the smelter/refinery

entire process. spent \$2 billion in modernizing the erations, including expansion of \$1.5 billion to upgrade its Utah opfor the smelter/refinery upgrade is \$880 million, that outlay is only century, the company will have he tailings area. By the turn of the Kennecott has invested more than part of the story. Since 1985, Although the operative figure

Dimock says it is money well

Please see KENNECOTT on A2

en work at the flash-smelting furnace in the new Kennecott refinery.

emissions. ate more efficiently and with lower The second step in the process uses technology called "flash configurating," which allows the smelter's primary pollution control of device—the scid plant—to oper step more efficiently and with lower at lower a ₹ iransfer of molten metal — a ma-☐ jor source of emissions in the old of smelter.

transfer of molten metal — a ma-

peak efficiency and eliminates the allows the furnaces to operate at industry, we have ensured the eco-industry, we have ensured the eco-nomic viability of Kennecott."

Officials said the new smelter ing." in which the molten copper-metal from the flash-smelting fur-mace is quenched in water and py ladle and overhead or transferred granulated instead of transferred by ladle and overhead or and capacity in the first quarter of 1996, we will be one of the lowest cost major copper producers in the world," he said. "Not only have we set a new standard for the copper printing in the set a new standard for the copper industry we have argured the copper industry we have a present the copper industry the coppe

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The Salt Lake Tribune BUSINESS Friday, September 22, 1995

Explosion Can't Keep Kennecott From Dedicating New Smelter

By John Keahey
THE SALT LAKE TRIBUNE

Kennecott's new \$880 million smelter-refinery had its glitches during three months of test runs, but the dedication of the crown jewel in the Utah copper giant's modernization program went without a hitch Thursday.

Just last Saturday, an explosion in one of two smelting-refining furnaces forced the company to produce only high-grade, 70% pure granulated copper matte.

The damaged unit is expected to be out of commission six to eight weeks, according to Smelter Technology Director David George. Both furnaces are needed to produce 98% pure anode copper.

The mishap was blamed on a faulty cooling element that leaked water onto molten copper in the furnace, causing a steam explosion that slightly injured one person.

"It was a fairly serious incident," George acknowledges, "but it gives us a chance to inspect the furnace after a few months of operation."

Kennecott London-based parent RTZ Corp. has not released its estimated production losses, but analysts said last Saturday's explosion may result in lost production of about 5,000 tons of copper per month.

George disagrees.

He points out overall copper production from Kennecott will not be reduced. The same volume of granulated copper matte will come out of the remaining furnace, but the company will incur additional expense by sending that matte elsewhere for processing.

Despite the problems, officials say they still expect the smelter-refinery to be at full capacity by their original target date: the first quarter of 1996.

If it is, the new facility is designed to produce 310,000 tons of refined copper annually — double the capacity of the previous operation.

The furnaces represent stateof-the-art technology that makes Kennecott "the most modern and environmentally efficient copper producer" in the world, according to a company statement issued Thursday.

The dedication marked the end of a major modernization of all Kennecott operations, from the open-pit copper mine on the east slope of the Oquirrh Mountains 23 miles southwest of Salt Lake City to the northern tip of the range.

The company has spent \$1.5 billion on mine and concentrator improvements, along with the smelter-refinery plant. Still remaining is a \$500 million expansion of the area where the company dumps tailings left over from the concentrator process.

After three months of operation, George is "extremely pleased" with the low level of sulfur dioxide emissions from the plant, which he says is well below state and federal limits.